

Cooper Industries
Cooper-Bessemer
Reciprocating Products Division
150 Lincoln Avenue
Grove City, PA 16127-1898
412 458-8000

November 9, 1994



Cooper Energy Services

Our Ref: QCG-9995

Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: 10 CFR Part 21 Report Revision
Master Power Connecting Rod

Dear Sir:

On January 12, 1987 Cooper Bessemer Reciprocating Products Division of Cooper Industries reported a potential problem with the master power connecting rod (KSV-4-2A#1) utilized in Cooper Bessemer "KSV" Emergency Diesel Generators. The report was identified as QCG-3364, and described master rod failure due to an iron plating repair.

On November 3, 1994, Commonwealth Edison Company (CECO) Braidwood Station experienced a master rod failure in the 2B diesel (Engine S/N 7180, Rod S/N 8H2214). Examination of the master rod indicated a failure mode similar to that described in the 1987 report.

The purpose of this letter is to report additional affected items. A review of in-house records was conducted and identified 4 affected master rods in addition to those reported in 1987. These 4 rods all bear 8H22XX series serial numbers. Due to the manufacturing practices in use in the 70's when these master rods were produced, the affected rods are identifiable by a production order number. The suspect numbers are 106-2, 106-6, 106-10, and 106-11.

Cooper recommends that the utilities listed below perform visual inspection of the master rods to determine applicability of this report. This may be conducted in the installed state.

SUMMARY

P/N: KSV-4-2A#1
Description: Master Power Connecting Rod
Potential Serial Numbers: 8H2204, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 16
Affected Production Numbers: 106-2, 106-6, 106-10, 106-11
Notes: 1] Only master rods with matching production numbers and serial numbers are affected (4 total).
2] Master rods will also bear forging numbers identified with a "CA____", (i.e. CA150).

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Affected Utilities/Station

Utility / Station	Engine S/N	Master Rod S/N	Location (Crankshaft Throw)	Remarks
CECO, Braidwood	7179	8H2207	#3	Original Build
		8H2205	#5	Original Build
		8H2213	#10	Original Build
		8H2210	#2	Original Build
APS/Palo Verde	Spares 7186	8H2206	Spare	Furnished as a Spare
		8H2216	Spare	Furnished as a Spare
Ni-Mo/NMP2	7191	8H2212	#1	Original Build
		8H2209	#2	Original Build
		8H2204	#3	Original Build
		8H2211	#8	Original Build
Entergy, Waterford 3	Spare Parts	8H2208		Ref. LP&L P.O.
		8H2215		L14200D

If you have any questions concerning this matter, please contact John M. Horne, Manager, Nuclear and Analytical Engineering at 412-458-3543, or John R. Schneider, Manager, Quality Assurance at 412-458-3434.

Sincerely,


J. R. Schneider
Manager, Quality Assurance

Copy To:

J. D. Mowery - CES/GC
B. R. Sedelmyer - CES/GC
A. D. Gillette - CES/GC
D. T. Blizzard - CES/GC
J. M. Horne - CES/GC
File: K5fa10 Rev. 1

/kll

cc: Walter Haass - NRC
One White Flint North
Mailstop 9D4
Washington, DC 20555

Mr. Michael Kneble
Entergy Operations
Waterford 3 SES, Highway 18
Taft, LA 70006

Mr. Dwain Lambert
Commonwealth Edison Co.
Braidwood Nuclear Power Station
Route 1, Box 81
Braceville, IL 60407

Mr. Terry O'Brien
Commonwealth Edison Co.
1400 Opus Place
Downers Grove, IL 60515

Mr. Lenny Schiavone
Niagara Mohawk Power Corp.
301 Plainfield Road
North Syracuse, NY 13212

Ms. Kathleen Russo
Niagara Mohawk Power Corp.
Nine Mile Road - Unit 2
P. O. Box 63
Lycoming, NY 13093

Mr. Neil Thibodaux
Arizona Public Service
Palo Verde Nuclear Generating Station
P. O. Box 52034 Mail Station 7566
Phoenix, AZ 85072-2034

Mr. Thomas Bradish
Manager, Nuclear Regulatory Affairs
Arizona Public Service
P. O. Box 52034 Mail Station 7636
Phoenix, AZ 85072-2034

Mr. Arthur G. Killinger
MPR Associates, Inc.
320 King Street
Alexandria, VA 22314-3238